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(21)Application number : 07-265898 (71)Applicant : RIJKSUNIV TE GRONINGEN

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(54) CHEWING GUM

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a biodegradable chewing gum giving a good chewing state by incorporating chewing gum components and a biodegradable polymer such as polyester as a gum base.

SOLUTION: This chewing gum contains chewing gum components and a biodegradable polymer having about 37°C glass transition temp. and contg. a chemically unstable compd. in the polymer chain as a gum base. The polymer is, e.g. polyester and/or polycarbonate of cyclic ester such as lactide, glycolide, trimethylene carbonate,  $\gamma$ -valerolactone,  $\beta$ -propiolactone and  $\epsilon$ -caprolactone.

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